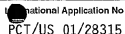


INTERNATIONAL SEARCH REPORT


A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04L5/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KAPPES J M ET AL: "PROGRAMMABLE DEMULTIPLEXER/DEMODULATOR PROCESSOR" PROCEEDINGS OF THE MILITARY COMMUNICATIONS CONFERENCE. (MILCOM). MONTEREY, SEPT. 30 - OCT. 3, 1990, NEW YORK, IEEE, US, vol. 1, 30 September 1990 (1990-09-30) - 3 October 1990 (1990-10-03), pages 230-234, XP000221787	1, 14, 19
Y	abstract	2-13, 15-18, 23, 25, 26
A	page 230, left-hand column, line 17 - line 28 page 230, right-hand column, line 11 - page 231, left-hand column, line 28 page 232, right-hand column, line 29 - page 234, left-hand column, line 44 figures 2, 3 --- -/-	20-22, 24

<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.	<input checked="" type="checkbox"/> Patent family members are listed in annex.
<p>* Special categories of cited documents:</p> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p>	<p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*Z* document member of the same patent family</p>
Date of the actual completion of the international search	Date of mailing of the international search report
11 June 2002	21/06/2002
Name and mailing address of the ISA European Patent Office, P.B. 5816 Patentlaan 2 NL - 2260 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Marshall, M

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/US 01/28315

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 981 222 A (IBM)	20-22, 24
Y	23 February 2000 (2000-02-23)	2-13, 15-18, 23, 25, 26 1, 14, 19
A	column 15, line 26 -column 16, line 26 figure 8 -----	
A	EP 0 786 889 A (THOMSON BRANDT GMBH) 30 July 1997 (1997-07-30) page 6, line 16 - line 27 figure 2 -----	1, 14, 19

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/28315

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0981222	A	23-02-2000	CN 1250256 A	12-04-2000
			EP 0981222 A2	23-02-2000
			JP 2000134178 A	12-05-2000
			TW 437224 B	28-05-2001
EP 0786889	A	30-07-1997	EP 0786889 A1	30-07-1997
			DE 69711957 D1	23-05-2002
			US 6208695 B1	27-03-2001